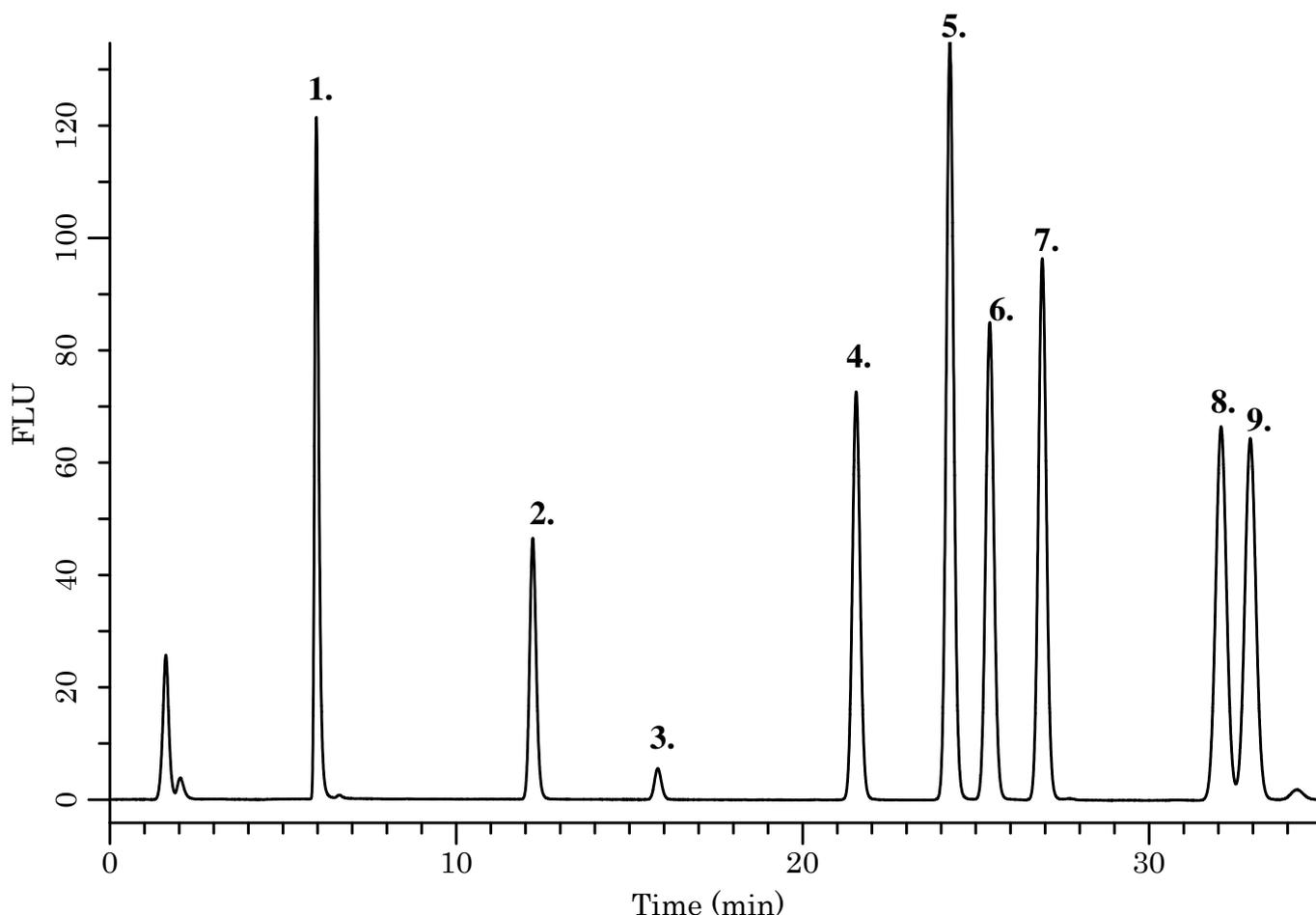


## Analysis of carbamate insecticides (Detected by post-column method with OPA)

Data No. LA623-0626



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil ODS-3 (5 $\mu$ m, 150 x 4.0 mm I.D.)  
**Column Cat. No.** : 5020-01761  
**Eluent** : A) THF  
B) CH<sub>3</sub>OH  
C) H<sub>2</sub>O  
A/B/C = 0/12/88 - 0.1 min - 0/12/88 - 0.1 min - 10/0/90  
- 22.8 min - 33/0/67 - 12.0 min - 33/0/67 - 0.1 min - 0/12/88  
- 9.8 min - 0/12/88

**Flow rate** : 1.0 mL/min

**Reaction Regent** : OPA発蛍光液\*  
(Post-Column Derivatization)

**Col. Temp.** : 40 °C

**Detection** : Ex 339nm Em 445 nm (GL-7453A FL Detector)

**Injection Vol.** : 100  $\mu$ L

**Sample** : Pesticides

### Analyte:

1. Oxamyl (1.0 $\mu$ g/mL)  
2. Aldicarb (1.0 $\mu$ g/mL)  
3. Pirimicarb (1.0 $\mu$ g/mL)  
4. Bendiocarb (1.0 $\mu$ g/mL)  
5. Carbaryl (1.0 $\mu$ g/mL)  
6. Ethiofencarb (1.0 $\mu$ g/mL)  
7. Isoprocarb (1.0 $\mu$ g/mL)  
8. Fenobcarb (1.0 $\mu$ g/mL)  
9. Methiocarb (1.0 $\mu$ g/mL)

\* 発蛍光溶液: o-フタルアルデヒド10 mg及び2-メルカプトエタノール5  $\mu$ Lに  
0.05 mol/Lホウ酸ナトリウム溶液を加えて100 mLとしたもの。